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FIG. 1(a)

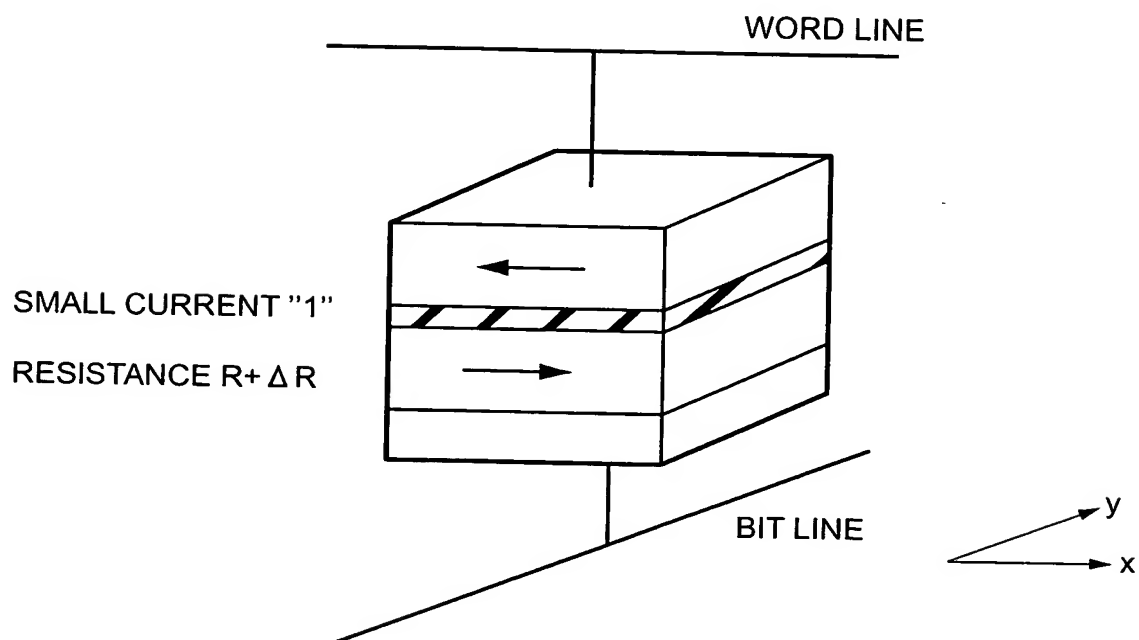
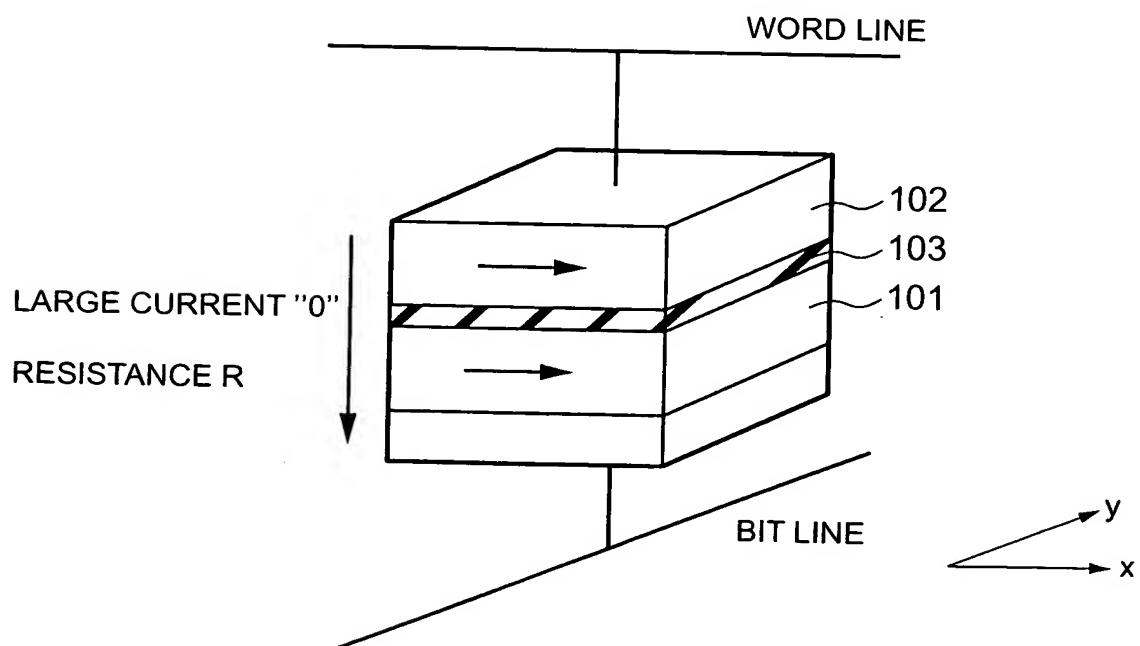
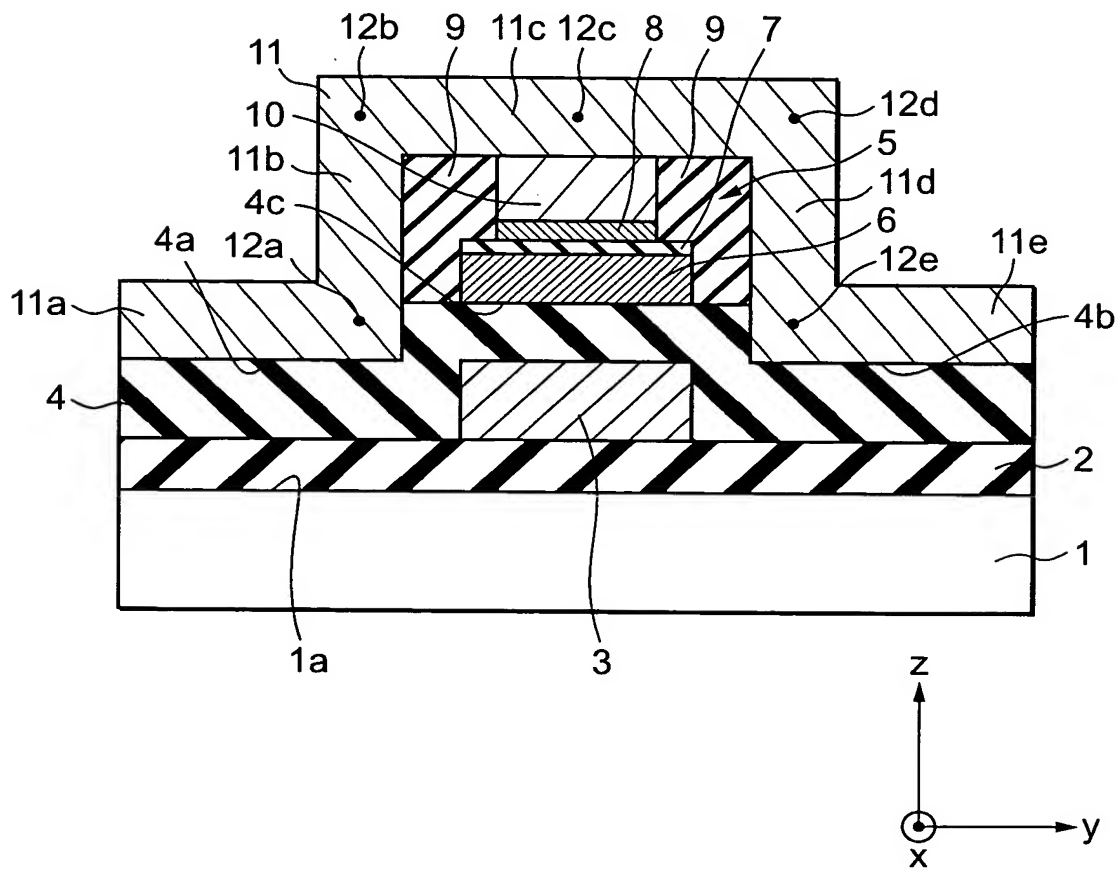
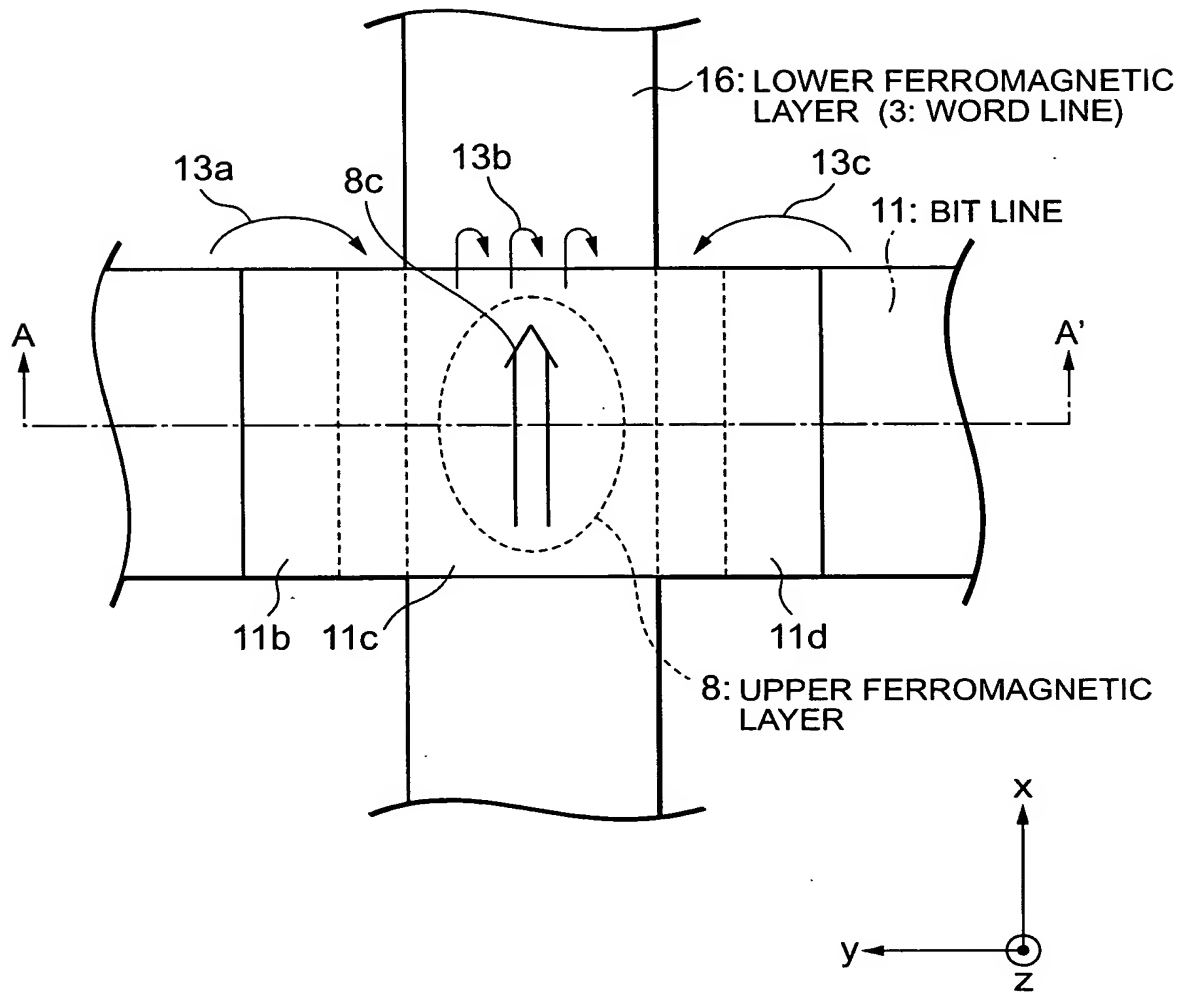


FIG. 1(b)

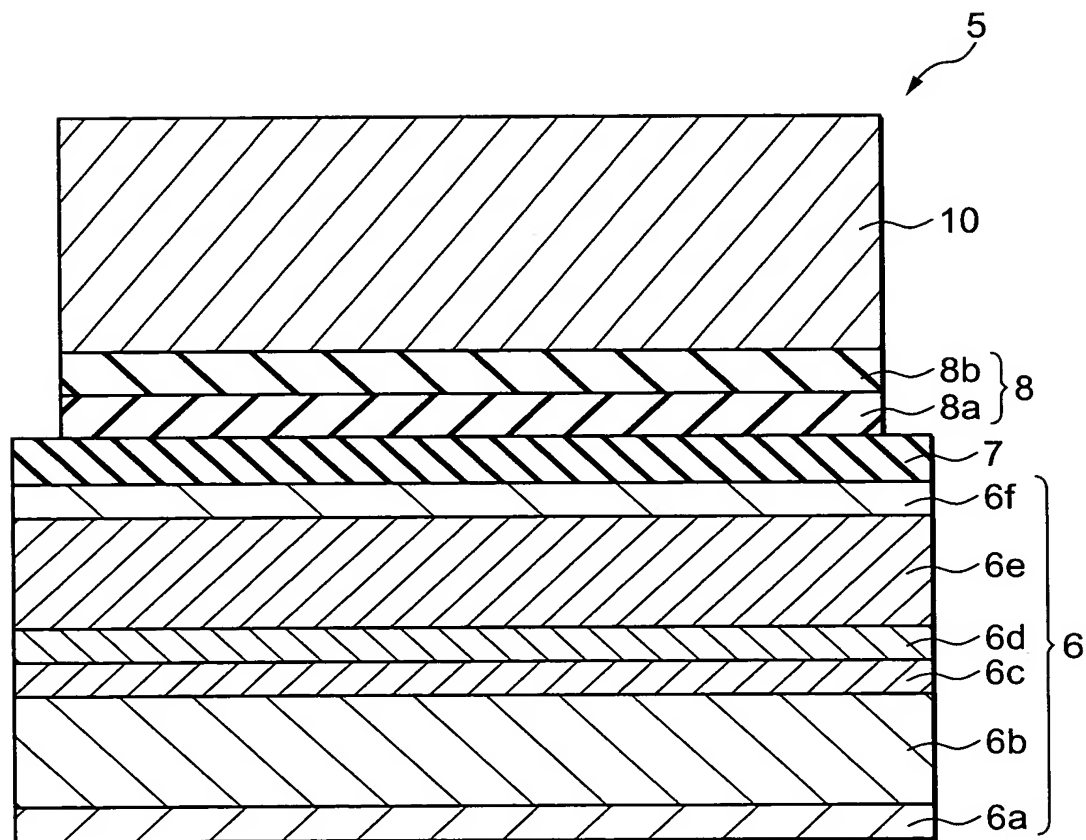






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FIG. 4



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FIG. 5

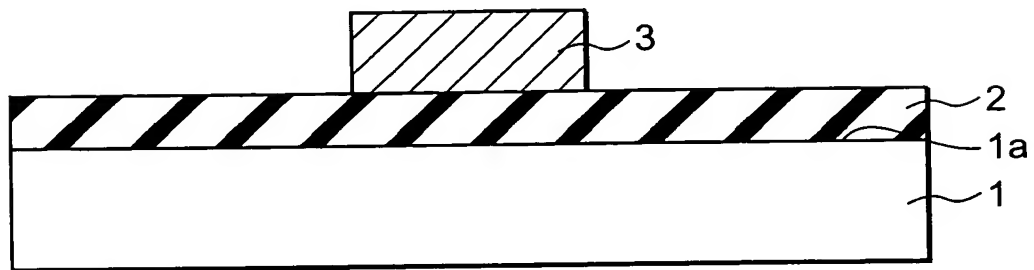
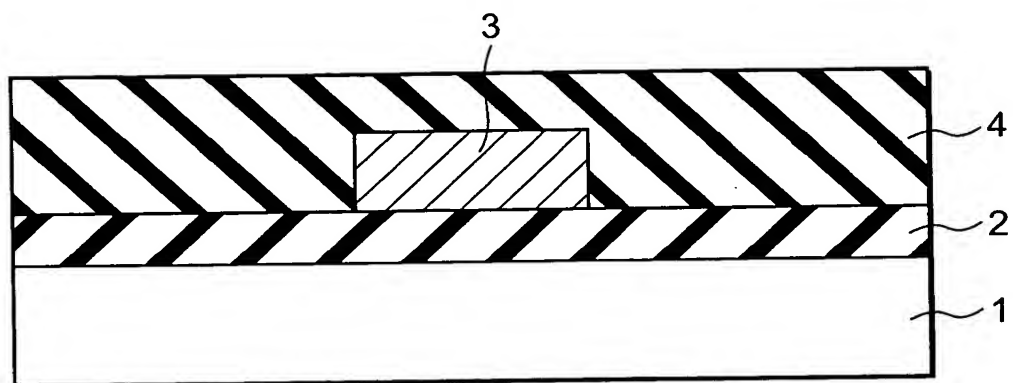


FIG. 6



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FIG. 7

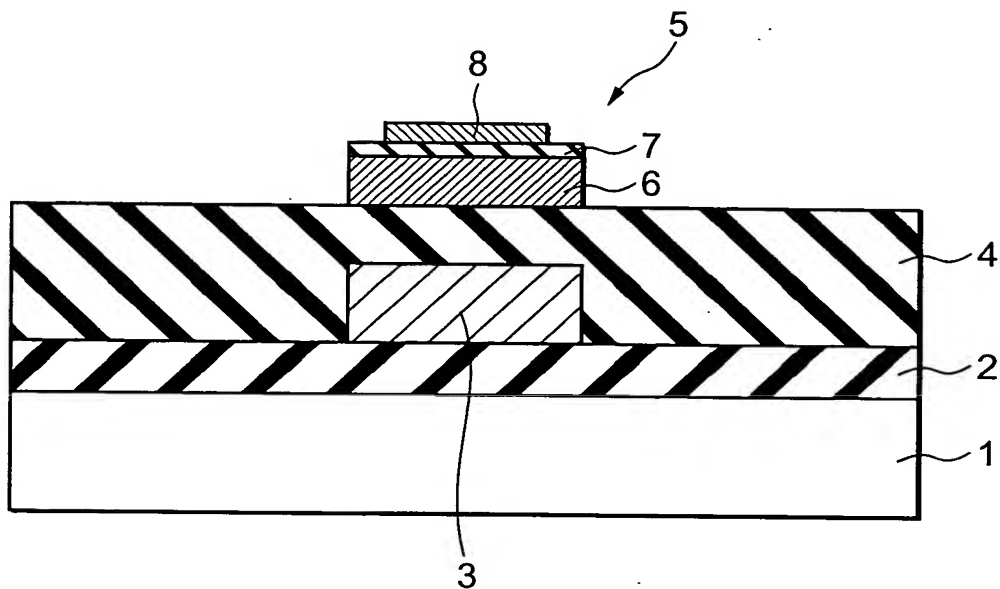
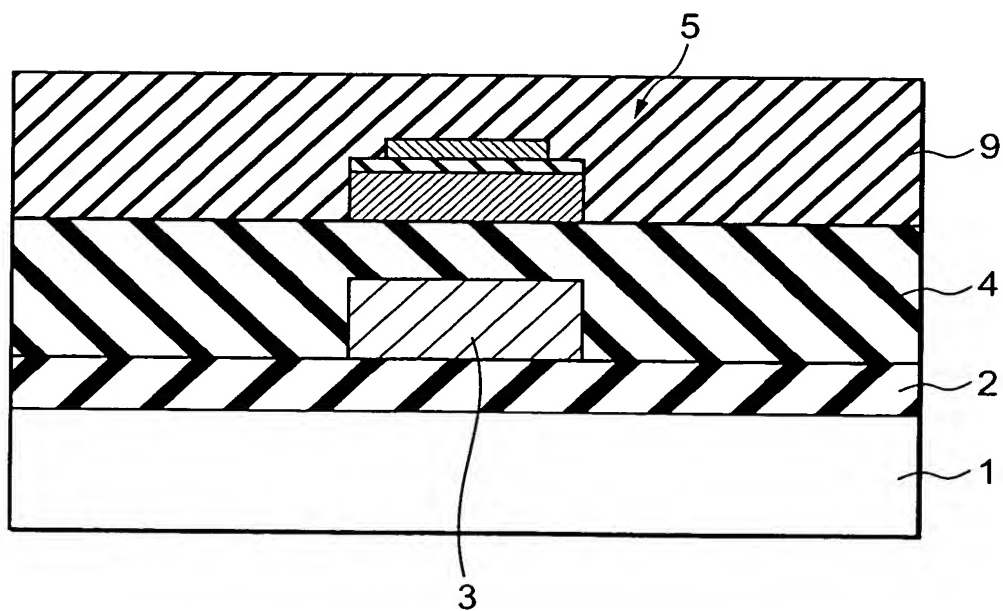


FIG. 8



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FIG. 9

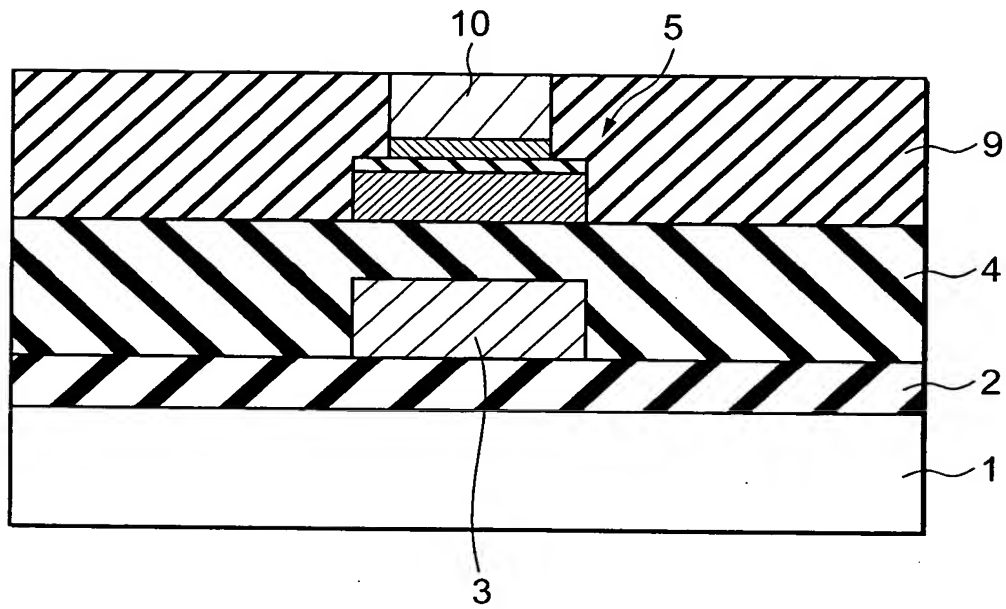
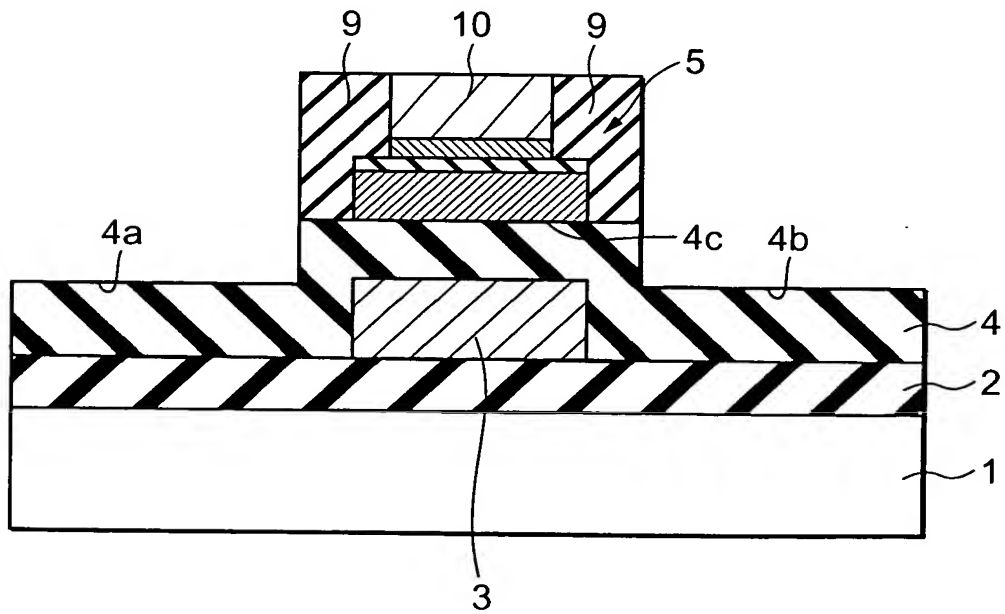
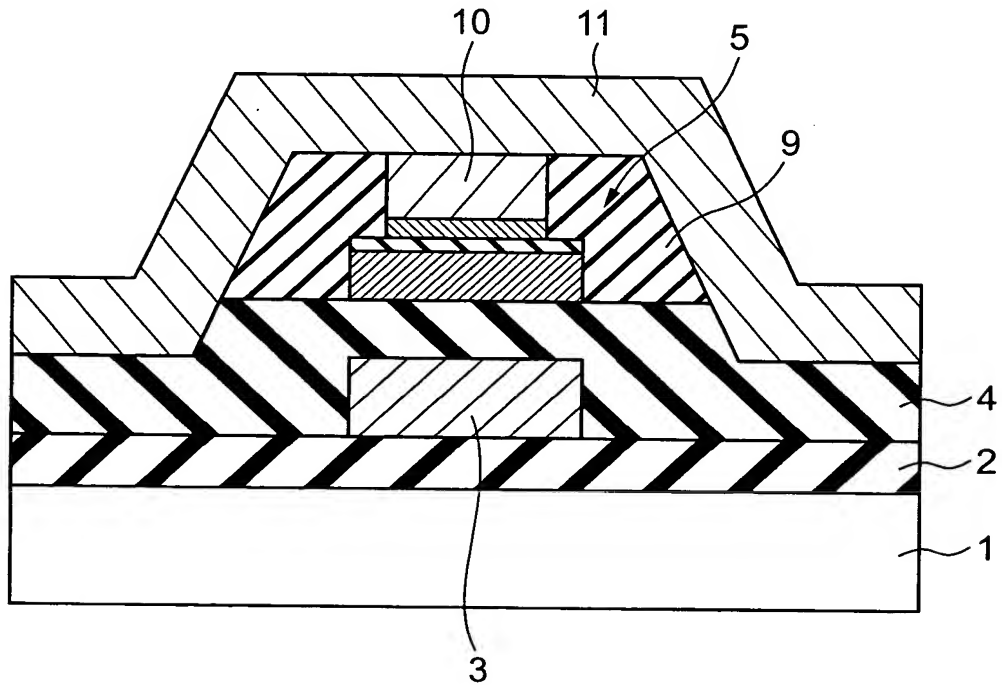


FIG. 10

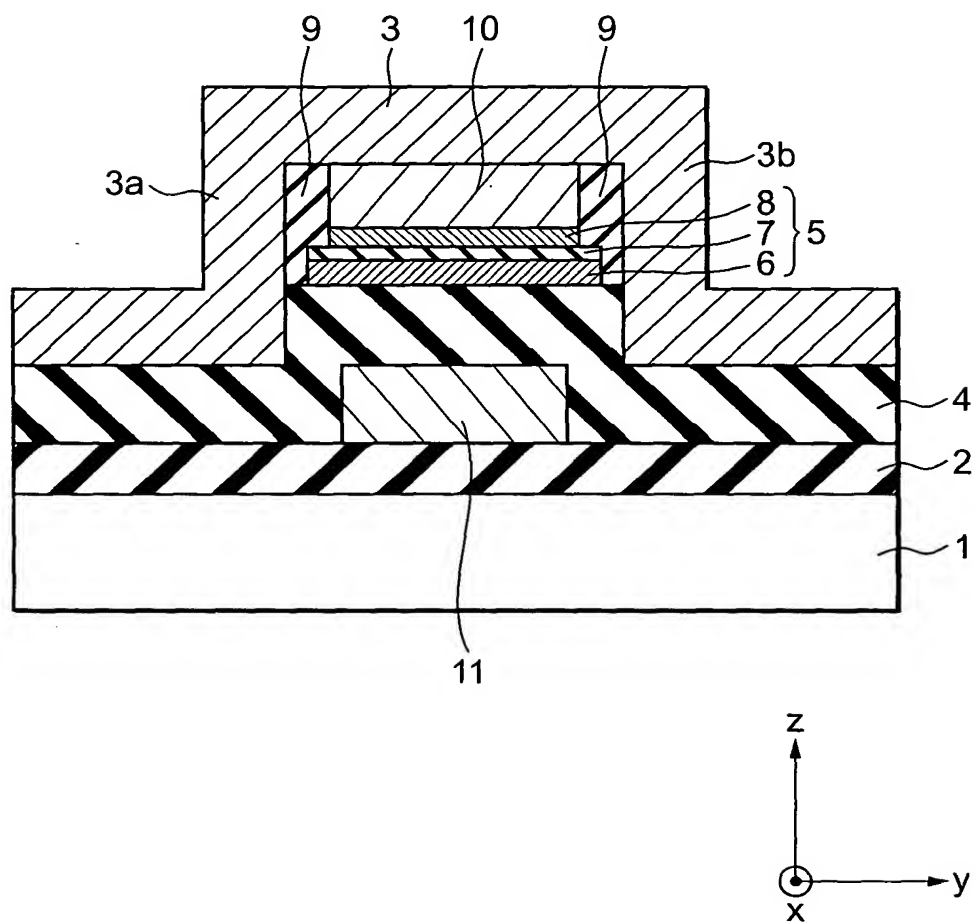


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FIG. 11

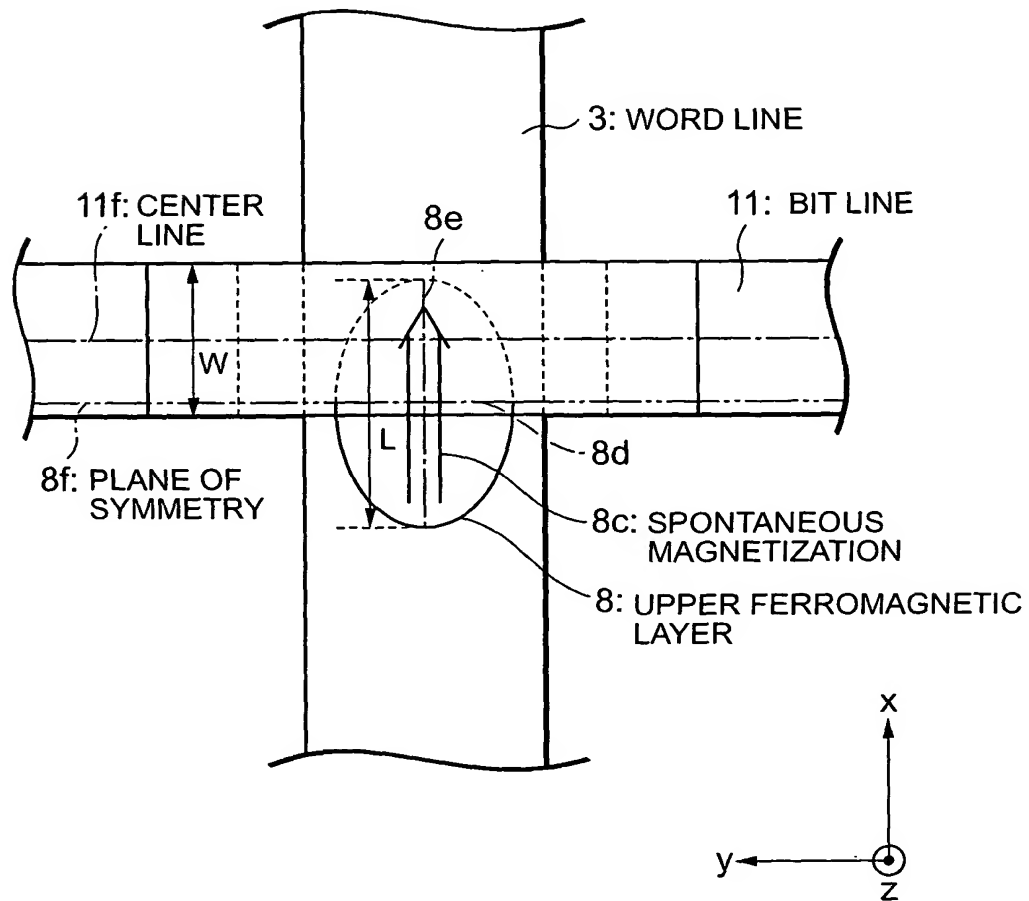






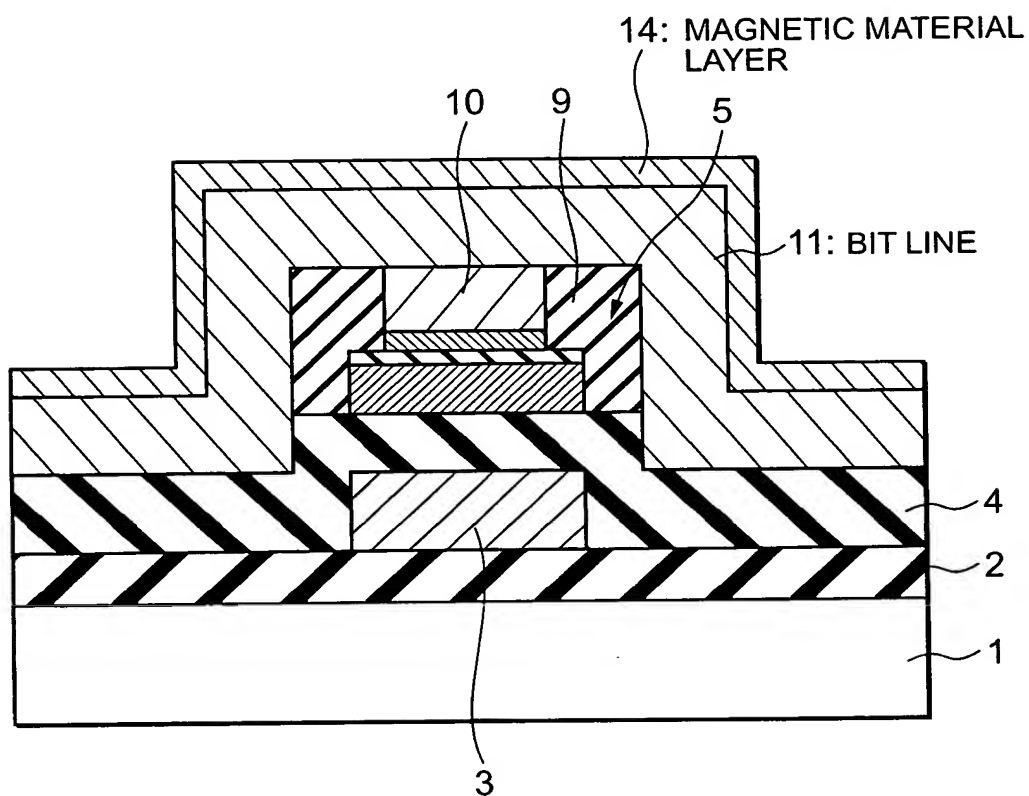
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FIG. 13



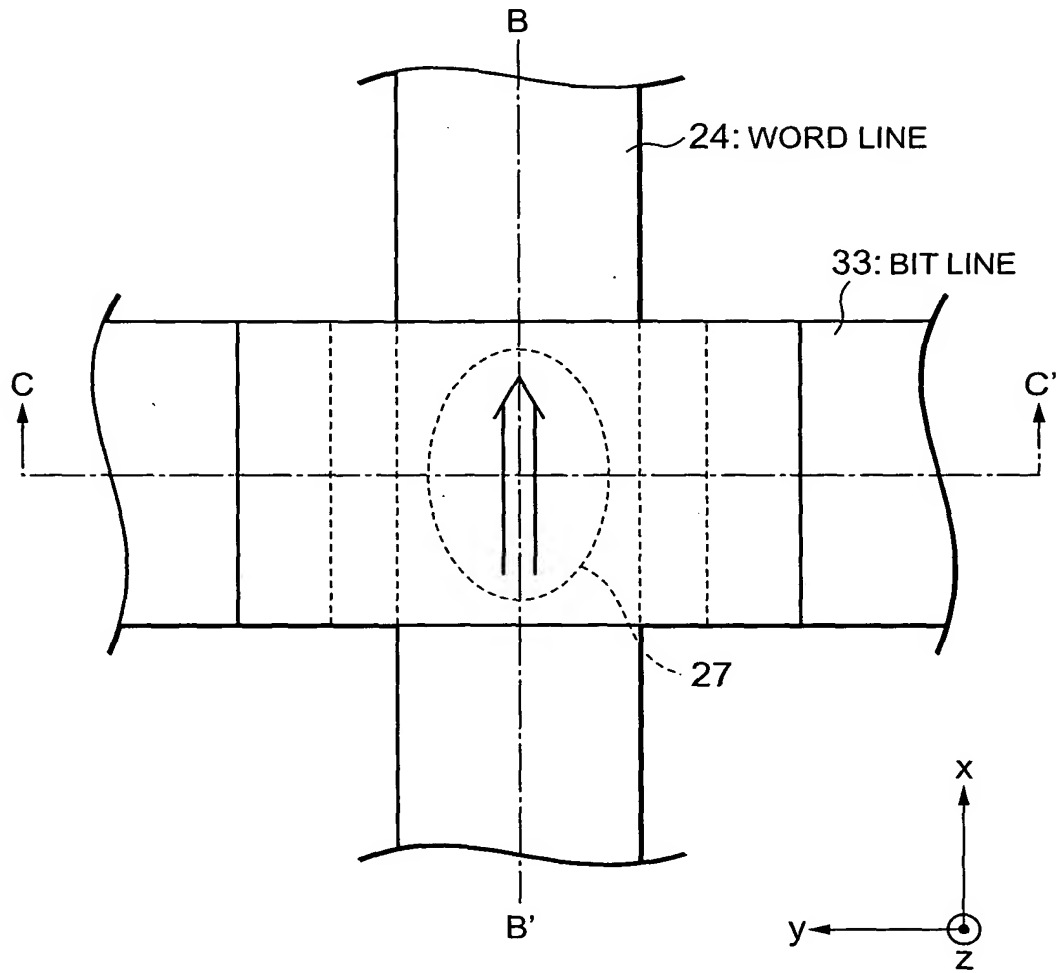
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FIG. 14



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FIG. 15



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FIG. 16

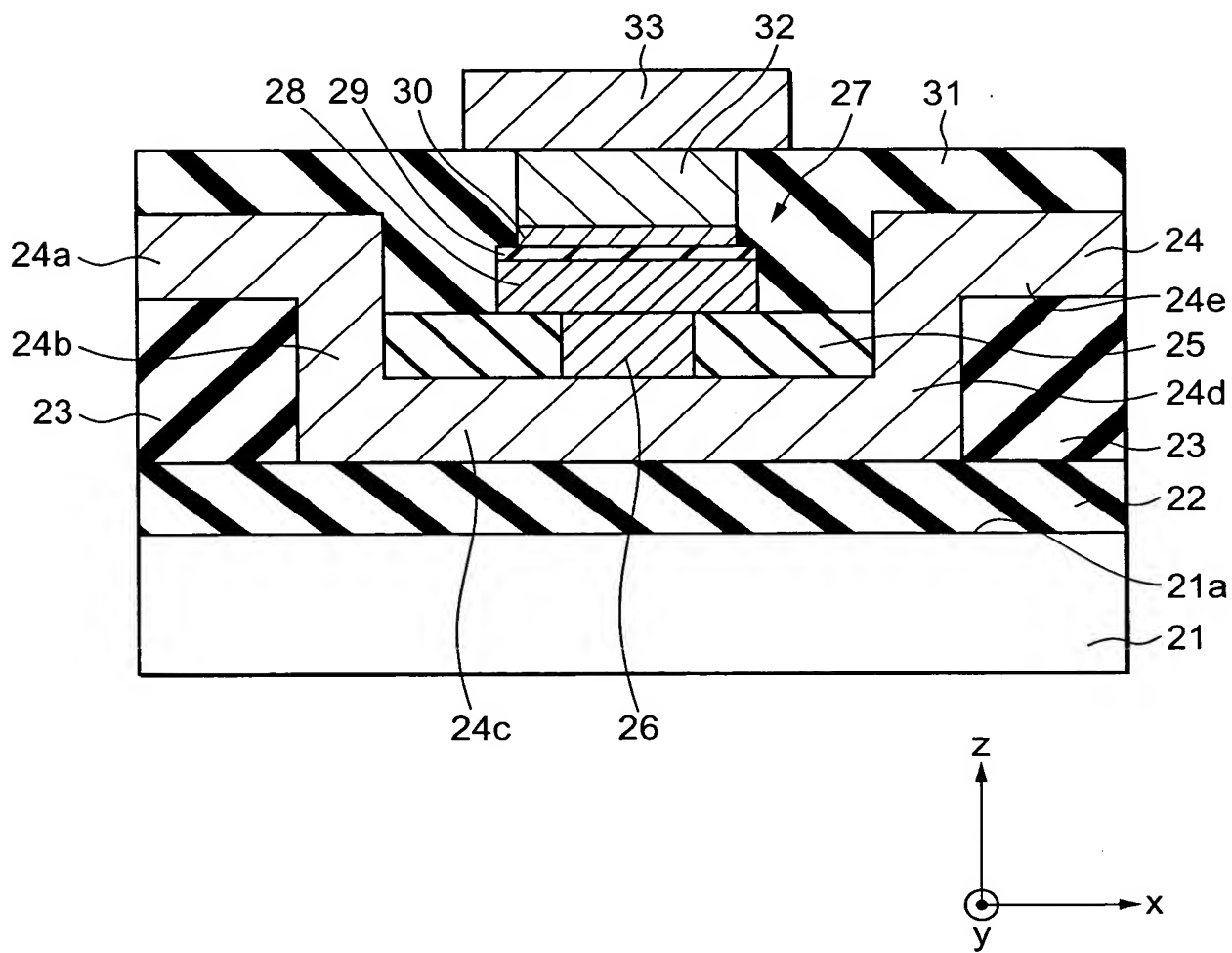
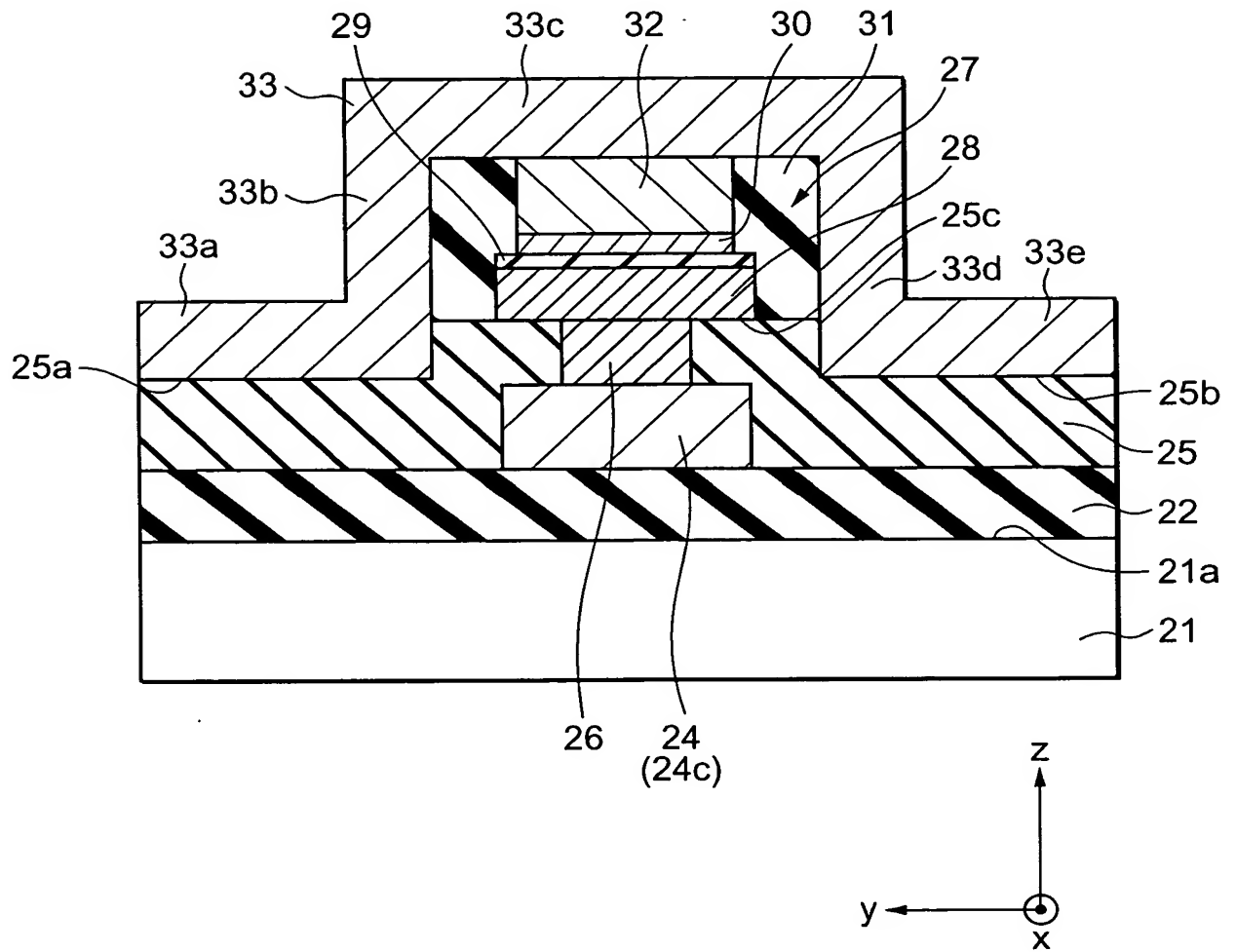
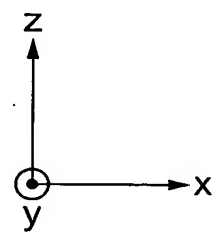
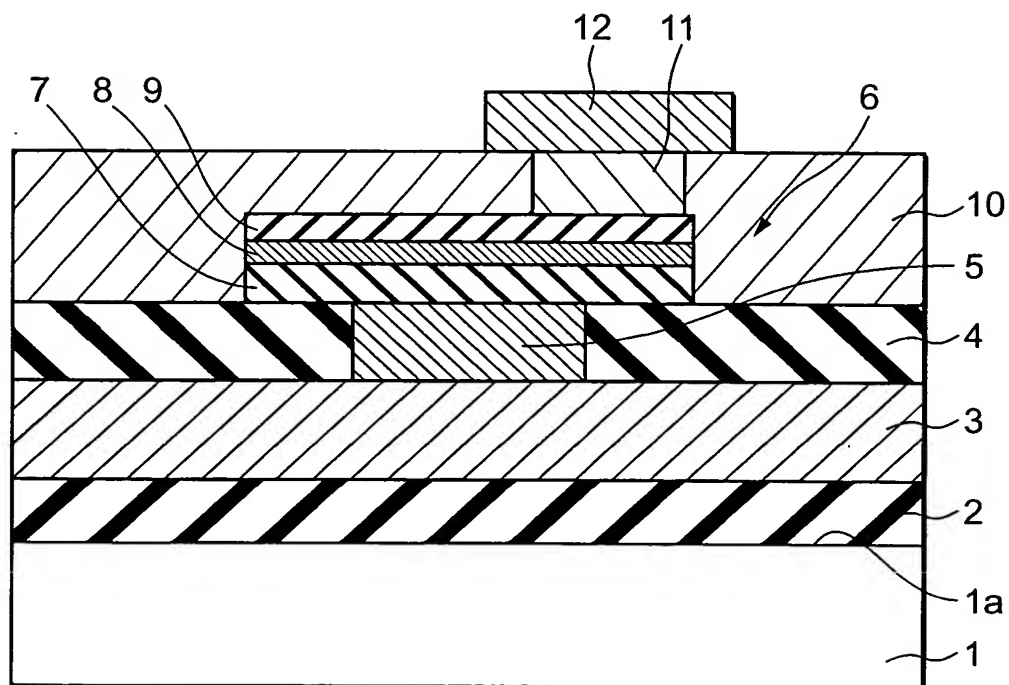


FIG. 17



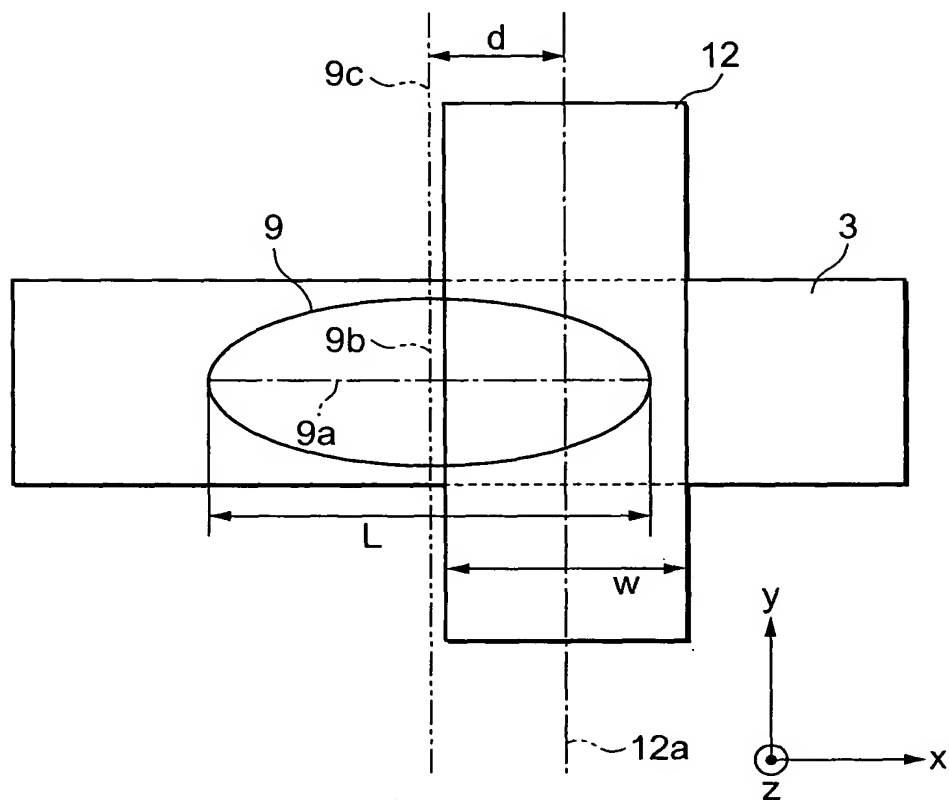
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FIG. 18



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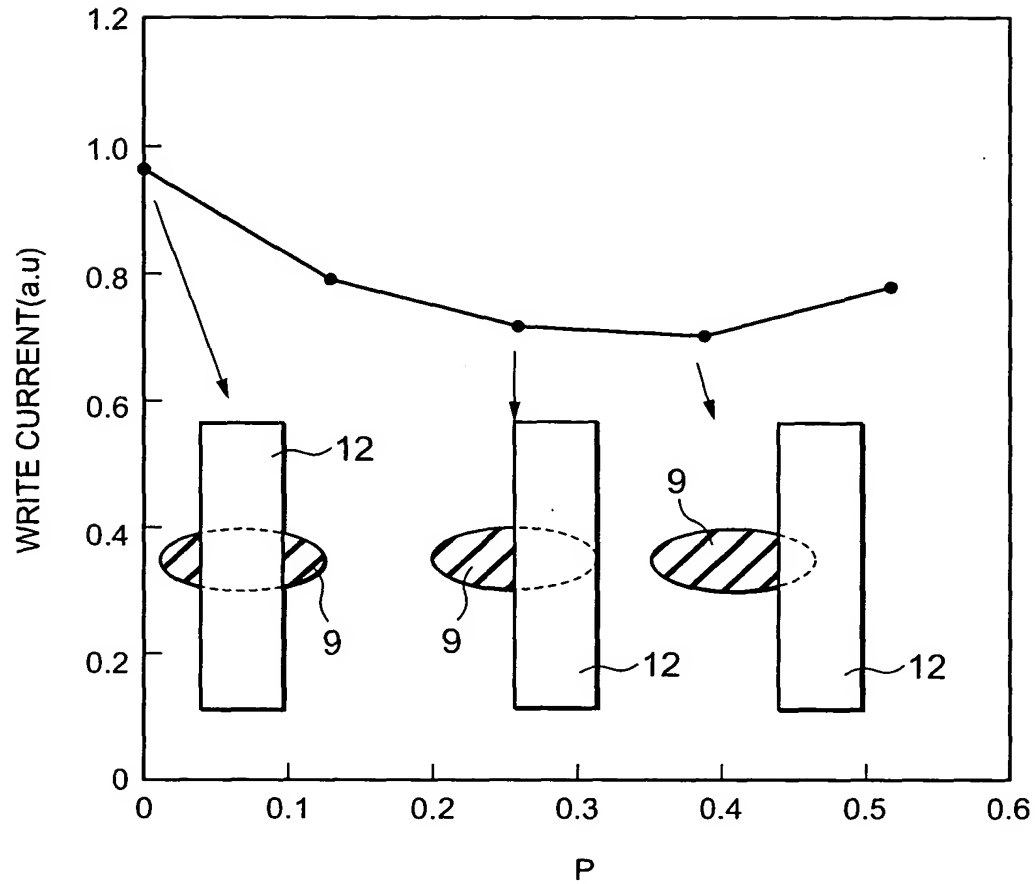
FIG. 19





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FIG. 20

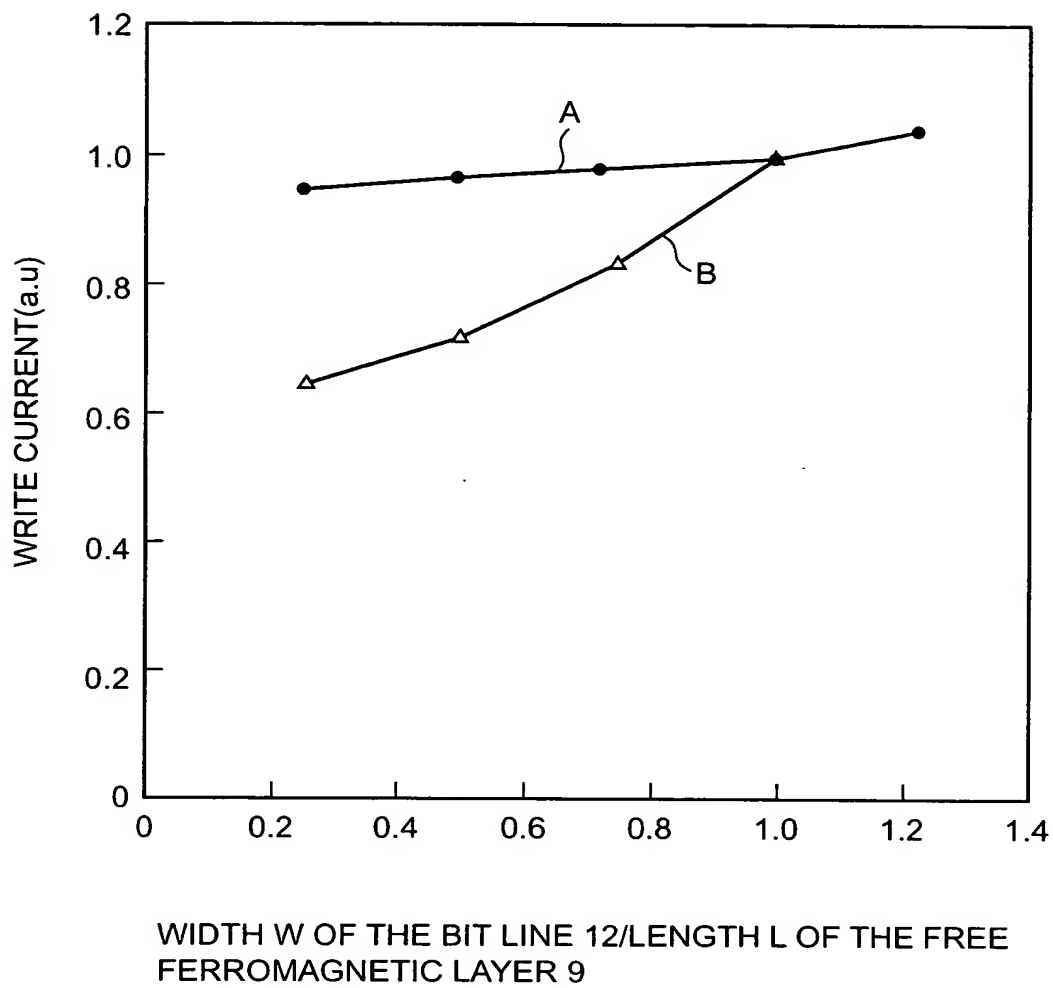


$$P = \frac{d}{L}$$

d: DISTANCE BETWEEN THE CENTER LINE 12A OF THE BIT LINE 12  
 AND THE MINOR AXIS 9B OF THE FREE FERROMAGNETIC LAYER 9  
 L: LENGTH OF THE FREE FERROMAGNETIC LAYER 9 IN THE X-AXIS  
 DIRECTION

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FIG. 21



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FIG. 22

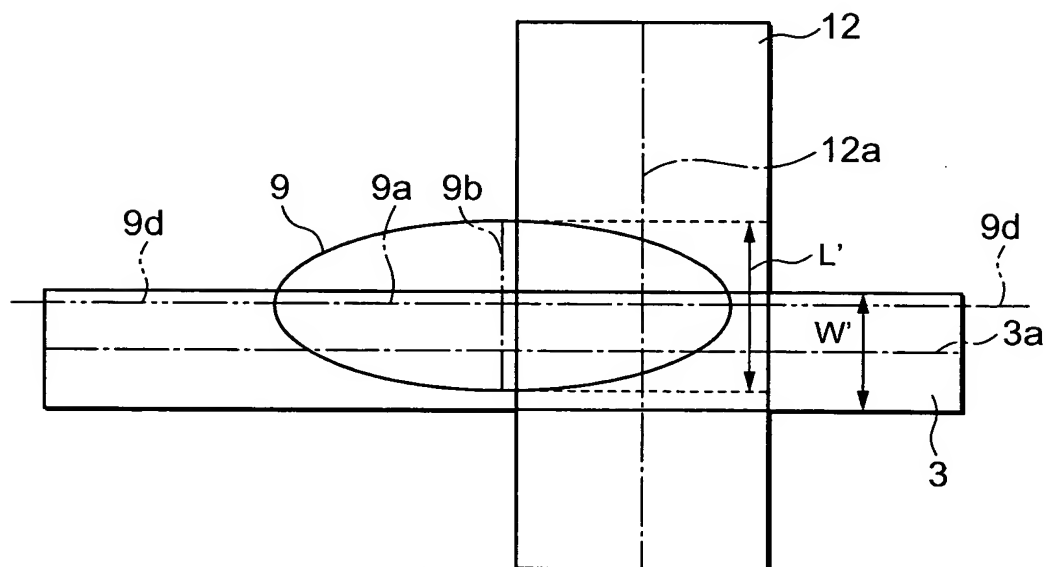
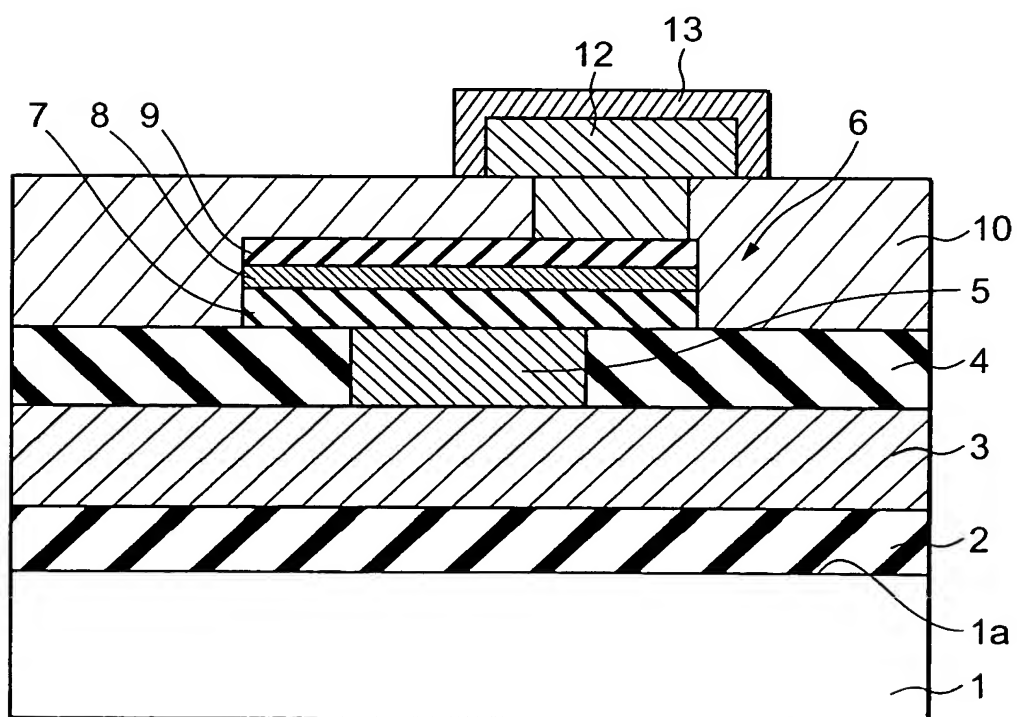
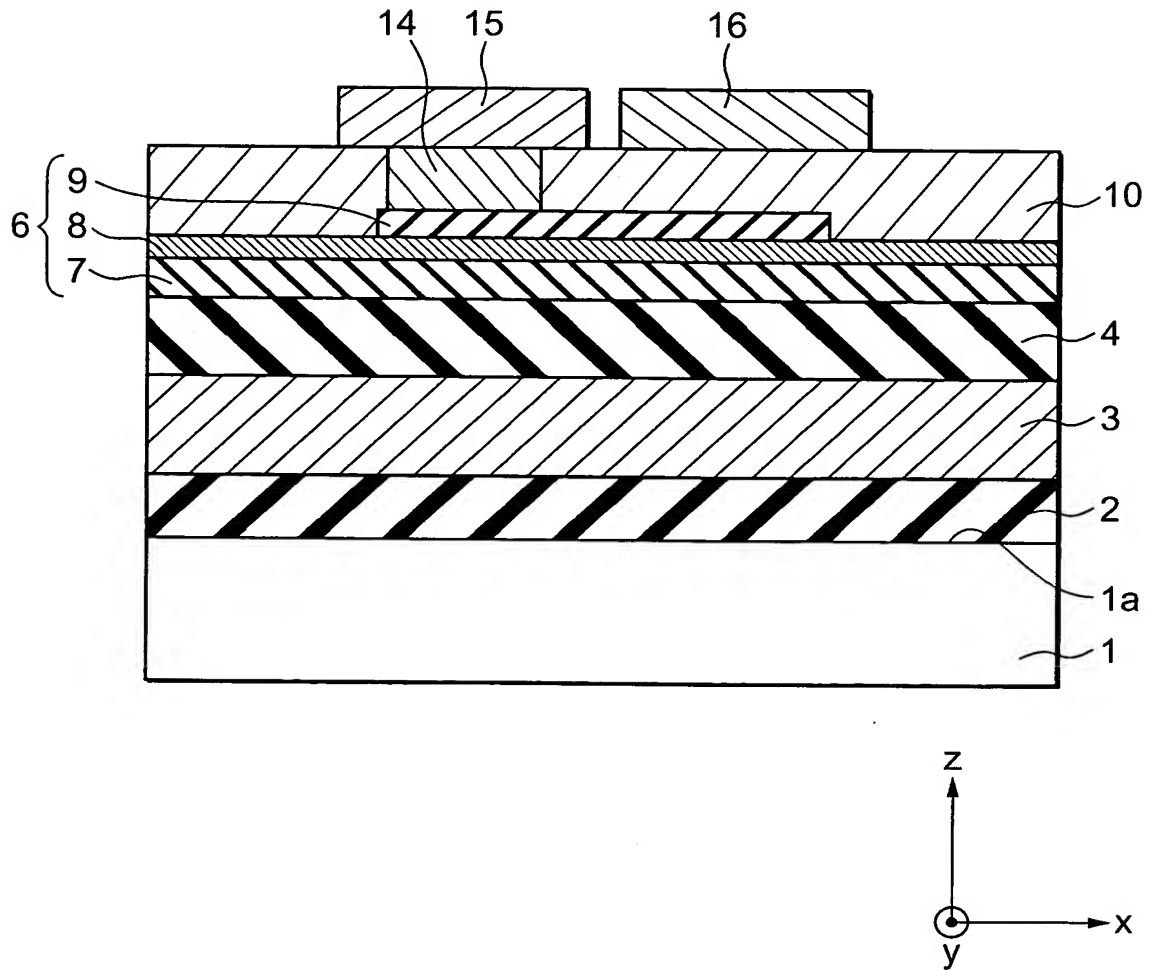


FIG. 23



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FIG. 24



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FIG. 25

